abcam

Product datasheet

Anti-Rab3D antibody [EPR8106] ab128997

Recombinant RabMAb

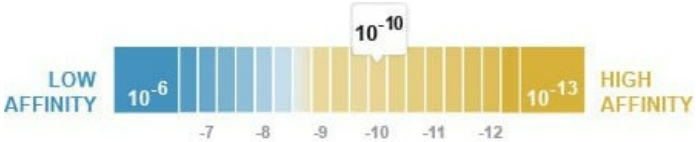
★★★★★ 6 Abreviews 3 References 7 Images

Overview

Product name	Anti-Rab3D antibody [EPR8106]
Description	Rabbit monoclonal [EPR8106] to Rab3D
Host species	Rabbit
Tested applications	**Suitable for:** mIHC, WB, IHC-P **Unsuitable for:** Flow Cyt,ICC/IF or IP
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide within Human Rab3D aa 1-100 (N terminal). The exact sequence is proprietary.
Positive control	BxPC-3, T.T, A549, or HT-29 lysate, Human clear cell carcinoma tissue, Human stomach tissue. mIHC: Human stomach tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K_D = 3.36 x 10^{-10} M



Learn more about K_D

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR8106
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab128997 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

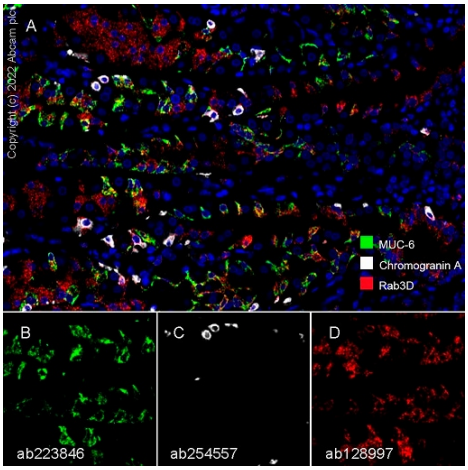
Application	Abreviews	Notes
mIHC		Use at an assay dependent concentration.
WB	★★★★★ (2)	1/10000 - 1/50000. Detects a band of approximately 25 kDa (predicted molecular weight: 25 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt,ICC/IF or IP.

Target

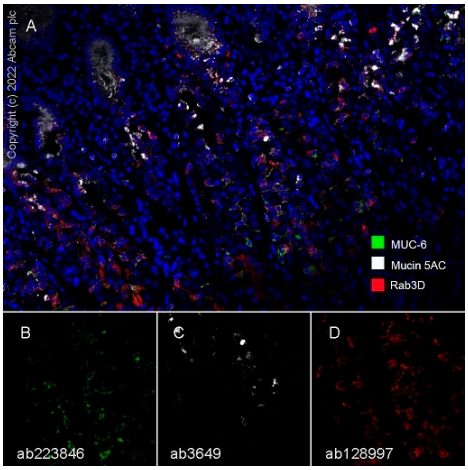
Function	Protein transport. Probably involved in regulated exocytosis.
Tissue specificity	Highly expressed in granulocytes of peripheral blood. Constitutively expressed at low levels in all hematopoietic cell lines investigated.
Sequence similarities	Belongs to the small GTPase superfamily. Rab family.
Cellular localization	Cell membrane.

Images



Multiplex immunohistochemistry - Anti-Rab3D antibody [EPR8106] (ab128997)

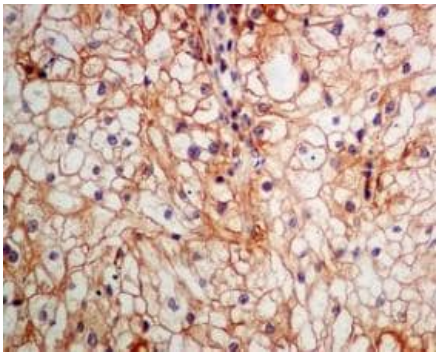
Fluorescence multiplex immunohistochemical analysis of the human stomach (Formalin/PFA-fixed paraffin-embedded sections). Panel A: merged staining of anti-Chromogranin A (**ab254557**, gray; Opal™690), anti-MUC-6 (**ab223846**, green; Opal™520) and anti-Rab3D (ab128997, red; Opal™570) on human stomach. Panel B: anti-MUC-6 stained on mucous neck cells. Panel C: anti-Chromogranin A stained on neuroendocrine cells. Panel D: anti-Rab3D stained on Chief cells. Opal Polymer HRP Ms + Rb was used as a secondary antibody. The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. The section was incubated in three rounds of staining: in the order of **ab254557** (1/5000), **ab223846** (1/1000), and ab128997 (1/10000) for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Leica SP8 confocal microscope.



Multiplex immunohistochemistry - Anti-Rab3D antibody [EPR8106] (ab128997)

Fluorescence multiplex immunohistochemical analysis of the human stomach (Formalin/PFA-fixed paraffin-embedded sections). Panel A: merged staining of anti-Mucin 5AC (**ab3649**, gray; Opal™690), anti-MUC-6 (**ab223846**, green; Opal™520) and anti-Rab3D (ab128997, red; Opal™570) on human stomach. Panel B: anti-MUC-6 stained on mucous neck cells. Panel C: anti-Mucin 5AC stained on surface mucous cells. Panel D: anti-Rab3D stained on Chief cells. Opal Polymer HRP Ms + Rb was used as a secondary antibody. The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. The section was incubated in three rounds of staining: in the order of **ab3649** (1/5000 dilution), **ab223846** (1/1000 dilution), and ab128997 (1/10000 dilution) for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) was used for 20 mins. DAPI (blue) was used as a nuclear counter stain. Image

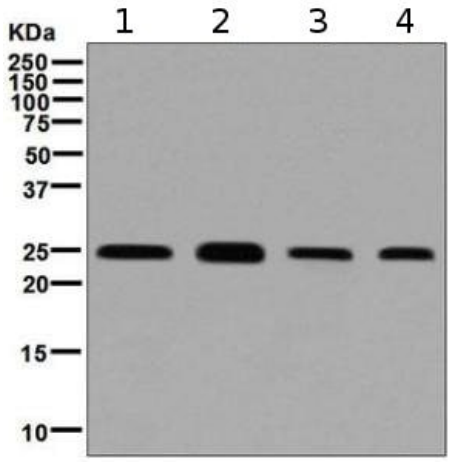
acquisition was performed with Leica SP8 confocal microscope.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Rab3D antibody [EPR8106] (ab128997)

ab128997, at a 1/250 dilution, staining Human Rab3D in clear cell carcinoma, using Immunohistochemistry, Formalin/PFA-fixed paraffin-emebedded tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-Rab3D antibody [EPR8106] (ab128997)

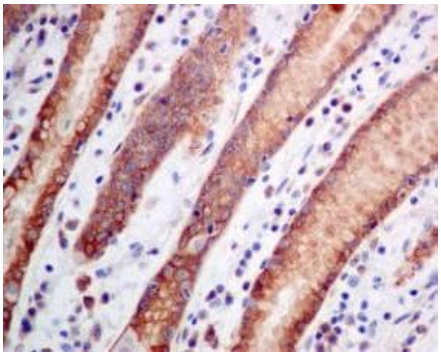
All lanes : Anti-Rab3D antibody [EPR8106] (ab128997) at 1/10000 dilution

Lane 1 : BxPC-3 cell lysate
Lane 2 : T.T cell lysate
Lane 3 : A549 cell lysate
Lane 4 : HT-29 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Standard HRP labelled goat anti-rabbit at 1/2000 dilution

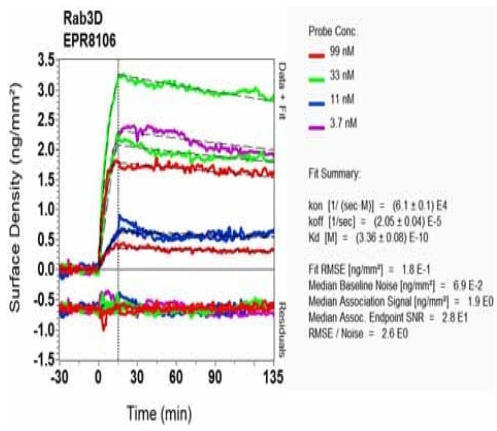
Predicted band size: 25 kDa
Observed band size: 25 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Rab3D antibody [EPR8106] (ab128997)

ab128997, at a 1/250 dilution, staining Human Rab3D in stomach, using Immunohistochemistry, Formalin/PFA-fixed paraffin-emebedded tissue

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

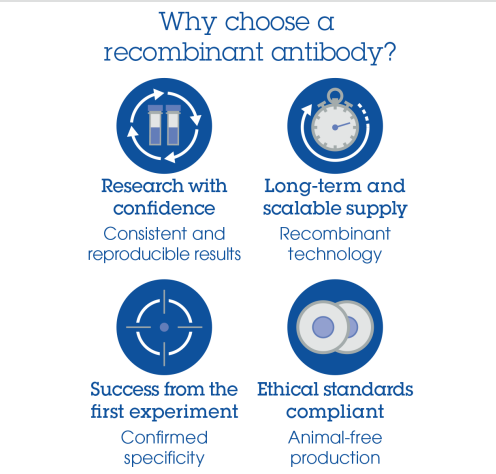


OI-RD Scanning - Anti-Rab3D antibody [EPR8106] (ab128997)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D



Anti-Rab3D antibody [EPR8106] (ab128997)

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